

331-3G

Wellbore: ORIGINAL HOLE
PBMD: 7,468.0ft
Btm TMD: 7,800.0ft
Spud Date: 7/23/1976 12:01
BH Coord X: 6,147,020.08uss ft
BH Coord Y: 2,286,136.55uss ft

Casing Shoes (ft)

Schematic (3/25/2009)

Openings Top/Btm/Type/Status

Tulare Zone
Deemed An
Exempt Aquifer
By EPA

Top of Injection
Zone
B-Sand
6791'

6,400.0ft, 6,416.0ft, PERFORATED, OPEN
6,420.0ft, 6,440.0ft, PERFORATED, OPEN
6,446.0ft, 6,452.0ft, PERFORATED, OPEN
6,476.0ft, 6,477.0ft, PERFORATED, OPEN
6,478.0ft, 6,482.0ft, PERFORATED, OPEN
6,596.0ft, 6,600.0ft, PERFORATED,
SQUEEZED
6,696.0ft, 6,706.0ft, PERFORATED, OPEN
6,716.0ft, 6,717.0ft, PERFORATED, OPEN
6,716.0ft, 6,726.0ft, PERFORATED, OPEN
6,752.0ft, 6,762.0ft, PERFORATED, OPEN
6,772.0ft, 6,782.0ft, PERFORATED, OPEN
6,802.0ft, 6,810.0ft, PERFORATED, OPEN
6,814.0ft, 6,820.0ft, PERFORATED, OPEN
6,902.0ft, 6,954.0ft, PERFORATED,
SQUEEZED
6,930.0ft, 6,931.0ft, PERFORATED, OPEN
6,964.0ft, 6,995.0ft, PERFORATED,
SQUEEZED
7,005.0ft, 7,042.0ft, PERFORATED,
SQUEEZED
7,058.0ft, 7,098.0ft, PERFORATED,
SQUEEZED
7,113.0ft, 7,208.0ft, PERFORATED,
SQUEEZED
7,223.0ft, 7,282.0ft, PERFORATED,
SQUEEZED
7,324.0ft, 7,358.0ft, PERFORATED,
SQUEEZED
7,340.0ft, 7,342.0ft, PERFORATED, OPEN
7,340.0ft, 7,385.0ft, PERFORATED, OPEN
7,380.0ft, 7,382.0ft, PERFORATED, OPEN
7,372.0ft, 7,406.0ft, PERFORATED,
SQUEEZED
7,324.1ft, 7,456.1ft, PERFORATED,
SQUEEZED
7,392.0ft, 7,410.0ft, PERFORATED, OPEN
7,426.0ft, 7,428.0ft, PERFORATED, OPEN
7,419.0ft, 7,476.0ft, PERFORATED,
SQUEEZED
7,456.1ft, 7,476.1ft, PERFORATED,
SQUEEZED

PLUG BACKReport Date: 1/25/1998 00:00

ComponentTop MD (ft)Btm MD (ft)
CEMENT7,468.07,499.0

PLUG BACKReport Date: 1/25/1998 00:00

ComponentTop MD (ft)Btm MD (ft)
CEMENT7,499.07,550.0

PLUG BACKReport Date: 8/13/1976 00:00

ComponentTop MD (ft)Btm MD (ft)
CEMENT7,550.07,800.0

ROD STRINGReport Date: 3/18/2009 00:00

ComponrentTop MD (ft)Btm MD (ft)
POLROD0.036.0
PNYROD36.054.0
ROD54.02,724.0
ROD2,724.06,414.0
R-6PER6,414.07,374.0
RSTBAR7,374.07,378.0
INSPMP7,378.07,378.0

CONDUCTOR CASINGReport Date: 6/4/1976 00:00

ItemOD (in)GradeWt. (ppf)TopMD (ft)BtmMD (ft)
CASING JOINT(S)20.00016.054.0

SURFACE CASINGReport Date: 7/23/1976 00:00

ItemOD (in)GradeWt. (ppf)TopMD (ft)BtmMD (ft)
CASING JOINT(S)13.375K-5554.5016.0321.0

INTERMEDIATE CASINGReport Date: 7/27/1976 00:00

ItemOD (in)GradeWt. (ppf)TopMD (ft)BtmMD (ft)
CASING JOINT(S)9.625K-5540.0016.03,327.0

PRODUCTION CASINGReport Date: 8/12/1976 00:00

ItemOD (in)GradeWt. (ppf)TopMD (ft)BtmMD (ft)
CASING JOINT(S)7.000N-8026.0016.084.0
CASING JOINT(S)7.000K-5523.0084.04,732.0
CASING JOINT(S)7.000N-8026.004,732.07,550.0

INNER LINERReport Date: 1/25/1998 00:00

ItemOD (in)GradeWt. (ppf)TopMD (ft)BtmMD (ft)
LINER HANGER7.000P-11018.006,707.06,714.8
CASING JOINT(S)5.000P-11018.006,714.87,387.0
5.000P-11018.007,387.07,387.7
FLOAT COLLAR5.000P-11018.007,387.77,388.4
CASING JOINT(S)5.000P-11018.007,388.47,468.0
GUIDE SHOE5.000P-11018.007,468.07,470.0

Well: 331-3G S/T/R: 3G/31S/24E

CASING CEMENT DETAIL

Sfc Csg. Cmt Vol: 378 cf
Hole Size: 17-1/2"
Casing Size: 13-3/8"
Top Job: NO
Rtns to Sfc: YES (20 cf)
TOC: Surface

Interm Csg. Cmt Vol: 1611 cf
Hole Size: 12-1/4"
Casing Size: 9-5/8"
Top Job: NO
Rtns to Sfc: YES (250 cf)
TOC: NA

Prod. Csg. Cmt Vol: 1700 cf
Hole Size: 8-3/4"
Casing Size: 7"
Top Job: NO
Rtns to Sfc: NO
TTOC: Surface

Liner Cmt Vol: 100 cf
Hole Size: 6.276" (7" Csg ID)
Casing Size: 5"
Top Job: NO
Rtns to Sfc: NO
TTOC: 6707'

Top of Formation:
B-Sand 6791'

Volume Behind Pipe:
1.3 Yield Assumed
Theoretical Calculations (TTOC)
DWN April 2011